

**Claims:**

1. (Currently amended) An implantable surgical drain ~~having a contact optimizer when placed for placement~~ against a tissue of a patient's body and for draining fluid and sensing at least one physiological property of the tissue comprising:  
an elongated conduit ~~having a predetermined length~~ configured to be implanted in a patient's body to drain fluid from tissue of the body, the elongated conduit including a first and a second surface on an outer side of the elongated conduit;  
a first sensing element positioned ~~within and along the length of~~ on the first surface ~~of the conduit proximate to the first surface~~ configured to sense a physiological property of the tissue; and  
~~a first~~ an inflatable compartment positioned ~~between the first and the second surface of said conduit~~ behind the sensing element, configured to ~~optimize push contact~~ enhance contact ~~between the sensing element against the tissue~~ so as to enhance contact ~~between the sensing element and the tissue~~ and the first sensing element.
2. (Cancelled).
3. (Currently amended) The surgical drain of claim 1, wherein the ~~first~~ inflatable compartment is within the elongated conduit.

4. (Currently amended) The surgical drain of claim 1, wherein the ~~first~~-sensing element and the inflatable compartment are positioned at about the same position along ~~a~~the length of the surgical drain length.

5. (Original) The surgical drain of claim 1, wherein the physiological property is selected from the group comprising: oxygenation, perfusion, temperature, pH, NADH levels, biochemical composition, drug concentration, turgidity or pressure.

6. (Currently amended) The surgical drain of claim 1, comprising ~~a second~~multiple sensing elementelements configured to sense ~~a~~-different physiological ~~property~~properties ~~than the first sensing element~~.

7. (Currently amended) The surgical drain of claim 1, wherein the conduit includes a drain portion configured to rest against a substantial length of tissue within the body and a plurality of drain ~~holes~~openings spaced along substantially the entire length of the drain portion.

8. (Currently amended) The surgical drain of claim 1, further including a display configured to depict data corresponding to the physiological property sensed by the ~~first~~ sensing element.

9. (Original) The surgical drain of claim 1, further comprising a pump in communication with an interior portion of the inflatable compartment.
10. (Original) The surgical drain of claim 1, further comprising a pressure monitor in communication with the interior portion of the inflatable chamber.
11. (Previously presented) The surgical drain of claim 1, wherein the surgical drain further includes an anchor configured to stabilize the position of the surgical drain relative to the tissue in the body.
12. (Previously presented) The surgical drain of claim 1, wherein the surgical drain further includes a projection extending from the outer side, wherein the projection is configured for insertion into tissue in the body.
13. (Original) The surgical drain of claim 1, wherein the surgical drain further includes a first loop extending from the outer side.
14. (Original) The surgical drain of claim 1, wherein the surgical drain further includes adhesive on at least a portion of the outer side.
15. (Original) The surgical drain of claim 1, wherein the surgical drain further includes a flap extending from the outer side.

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16-102. (Cancelled).